

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051425\
 Data File : VN086629.D
 Acq On : 14 May 2025 16:09
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 15 03:05:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

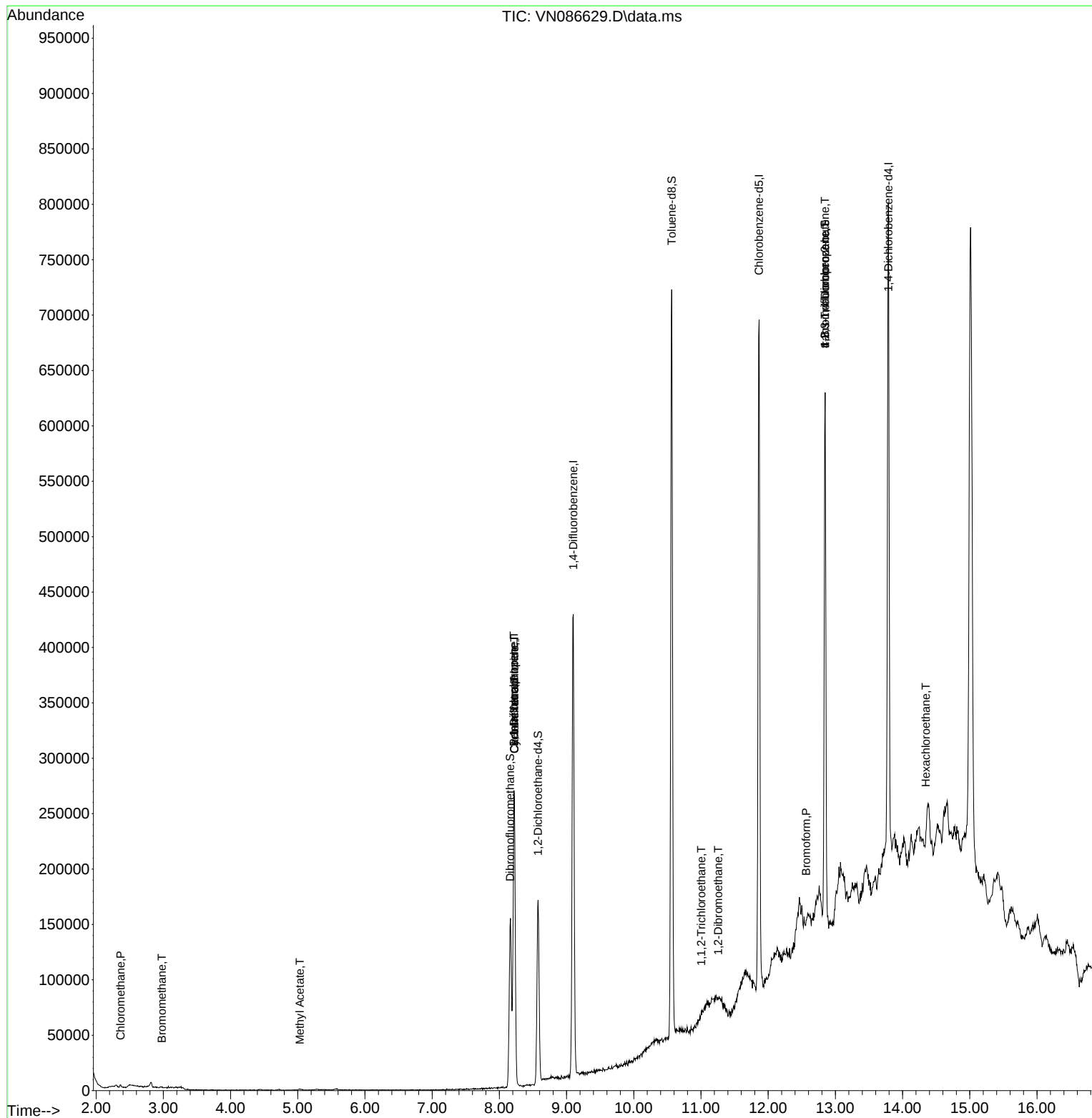
Internal Standards						
1) Pentafluorobenzene	8.218	168	199899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	383298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	366514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	165907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138233	47.688	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.380%
35) Dibromofluoromethane	8.159	113	112153	63.045	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	126.080%#
50) Toluene-d8	10.565	98	488472	51.378	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.760%
62) 4-Bromofluorobenzene	12.847	95	182811	52.717	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.440%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2265	0.658	ug/l	98
5) Bromomethane	2.977	94	412	0.279	ug/l #	74
16) Acetone	4.430	43	1687	Below Cal	#	43
18) Methyl Acetate	5.030	43	1768	0.508	ug/l #	57
31) Cyclohexane	8.224	56	4319	0.919	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16117	4.536	ug/l #	51
38) Carbon Tetrachloride	8.224	117	21191	6.263	ug/l #	14
43) Isopropyl Acetate	8.688	43	869	Below Cal	#	55
55) 1,1,2-Trichloroethane	11.006	97	636	0.249	ug/l #	56
61) 1,2-Dibromoethane	11.259	107	725	0.281	ug/l	100
71) Bromoform	12.565	173	1513	0.745	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	89170	22.776	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	89170	54.698	ug/l #	11
90) Hexachloroethane	14.347	117	525	0.284	ug/l	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 15 03:05:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
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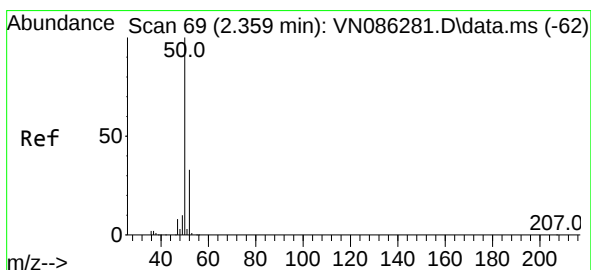
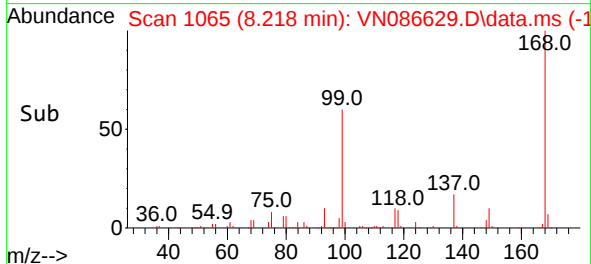
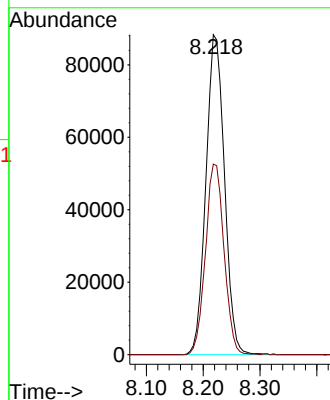
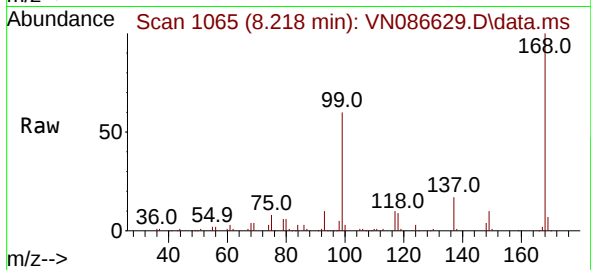




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

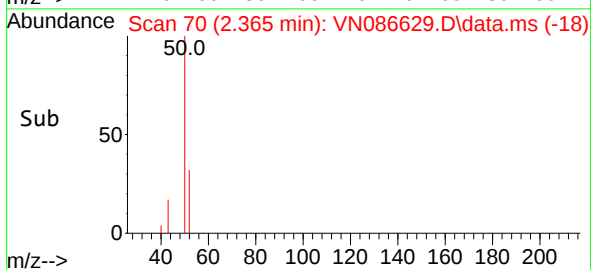
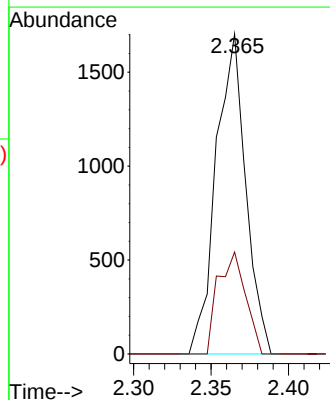
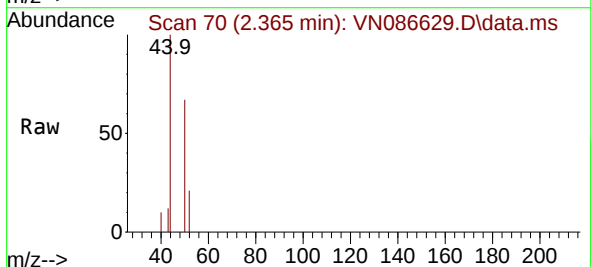
Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:168 Resp: 199899
Ion Ratio Lower Upper
168 100
99 59.6 52.5 78.7



#3
Chloromethane
Concen: 0.658 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

Tgt Ion: 50 Resp: 2265
Ion Ratio Lower Upper
50 100
52 31.9 26.5 39.7

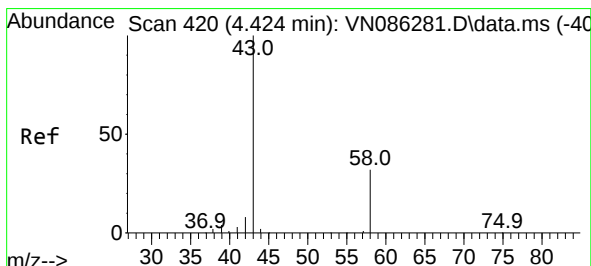
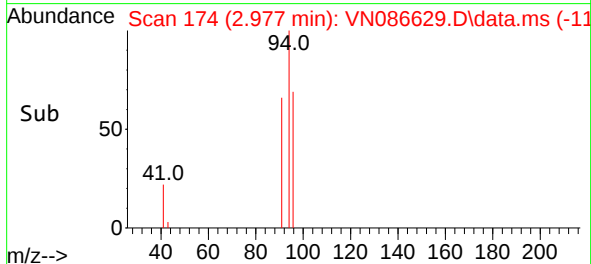
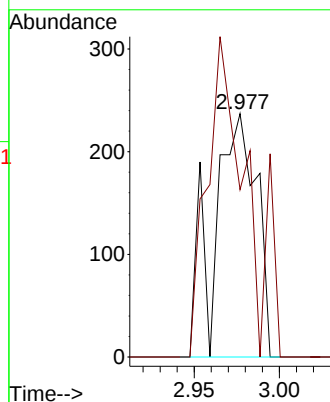
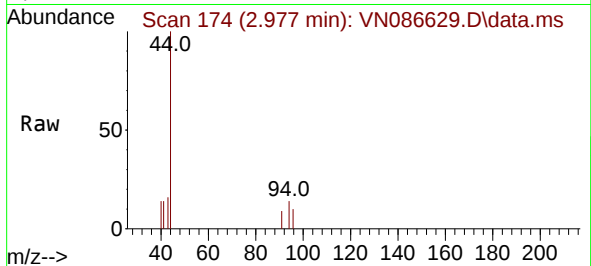




#5
Bromomethane
Concen: 0.279 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

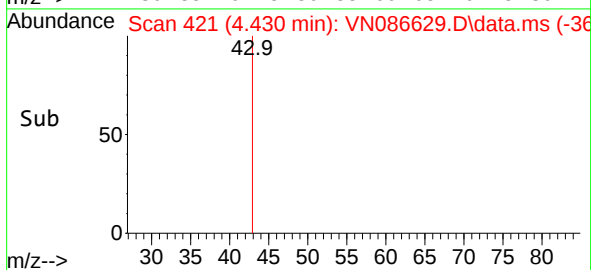
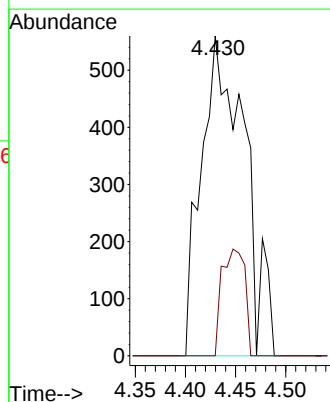
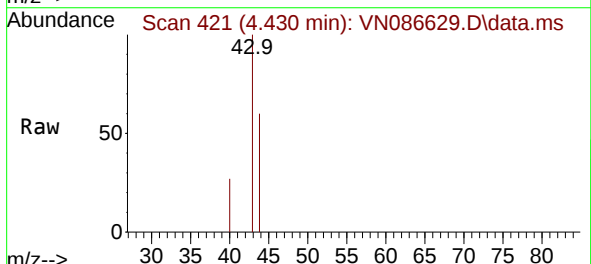
Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 94 Resp: 412
Ion Ratio Lower Upper
94 100
96 68.8 75.2 112.8#



#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

Tgt Ion: 43 Resp: 1687
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#

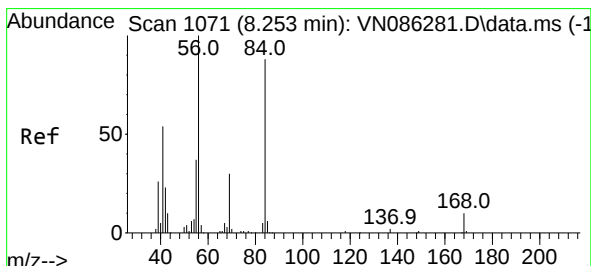
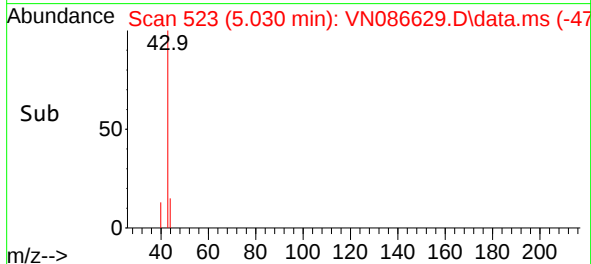
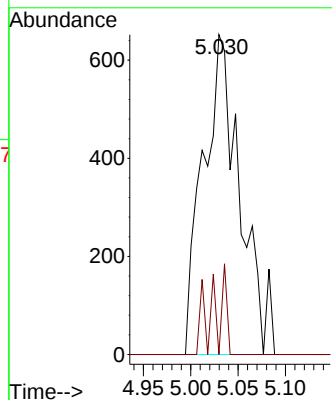
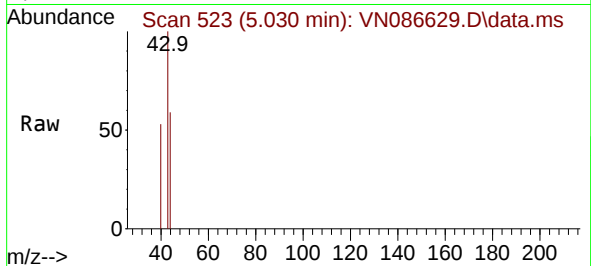




#18
Methyl Acetate
Concen: 0.508 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

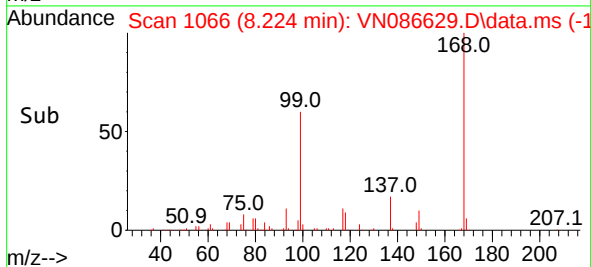
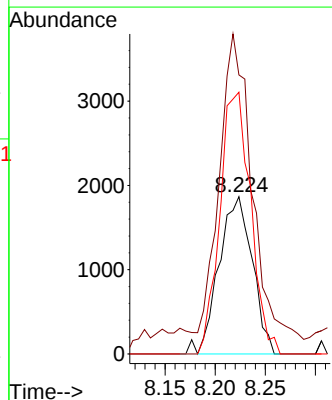
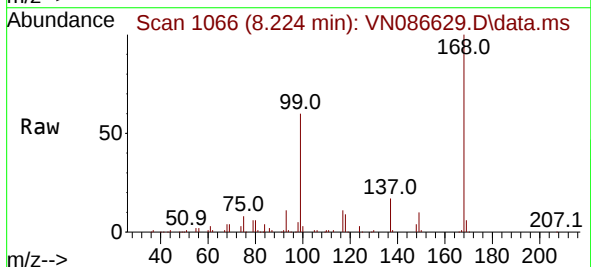
Instrument :
MSVOA_N
ClientSampleId :
IBLK

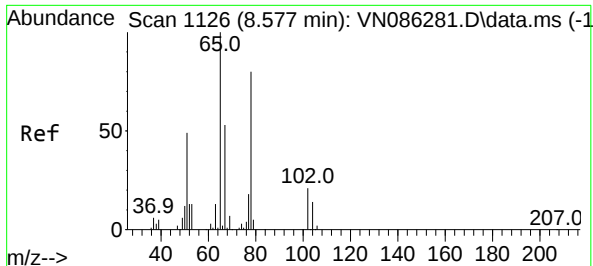
Tgt Ion: 43 Resp: 1768
Ion Ratio Lower Upper
43 100
74 3.3 19.8 29.6#



#31
Cyclohexane
Concen: 0.919 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

Tgt Ion: 56 Resp: 4319
Ion Ratio Lower Upper
56 100
69 161.0 24.2 36.2#
84 166.4 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 47.688 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086629.D

Acq: 14 May 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

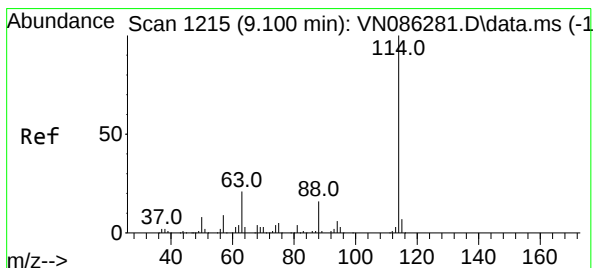
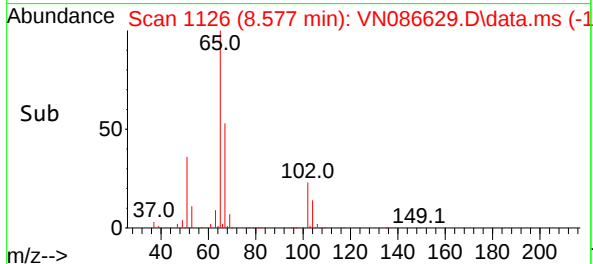
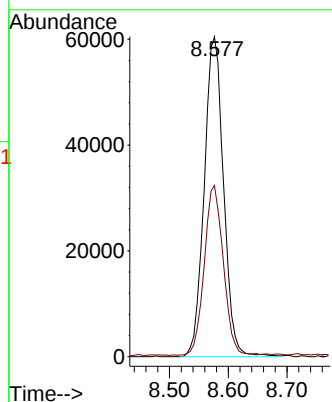
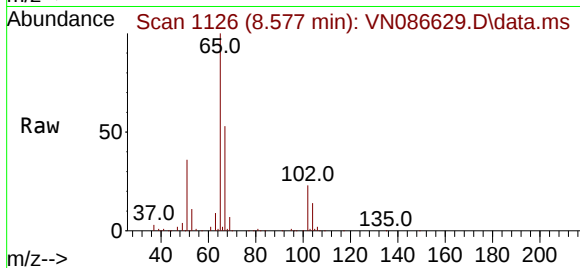
IBLK

Tgt Ion: 65 Resp: 138233

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086629.D

Acq: 14 May 2025 16:09

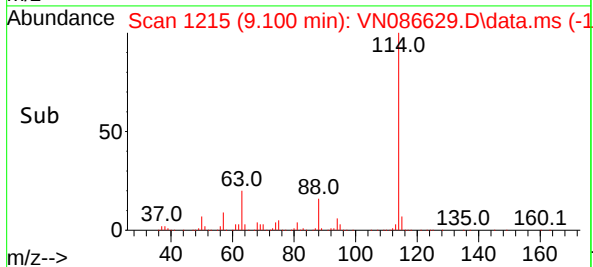
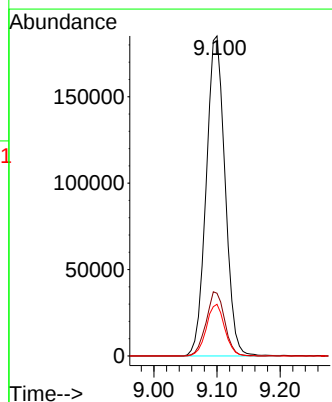
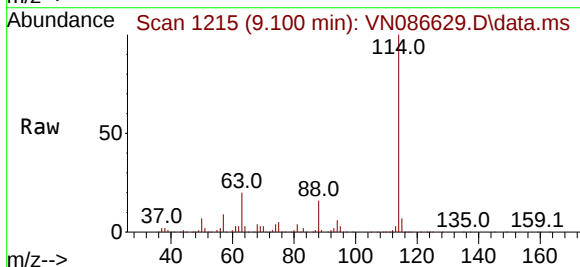
Tgt Ion: 114 Resp: 383298

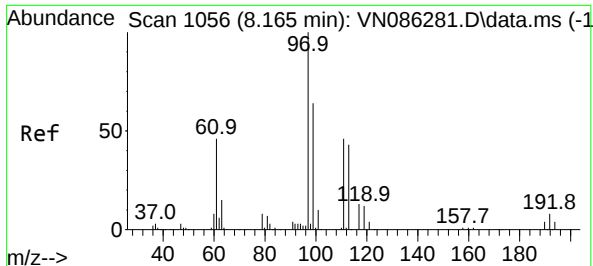
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 63.045 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086629.D

Acq: 14 May 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

IBLK

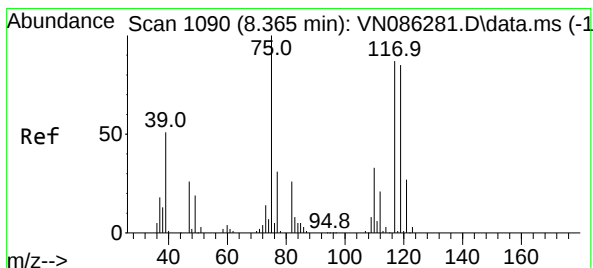
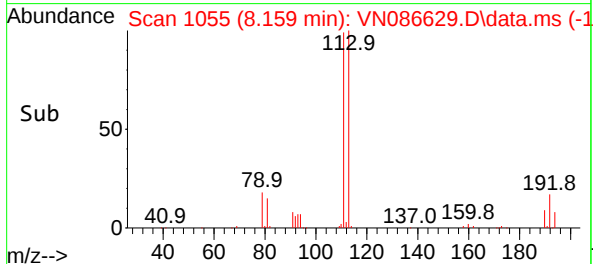
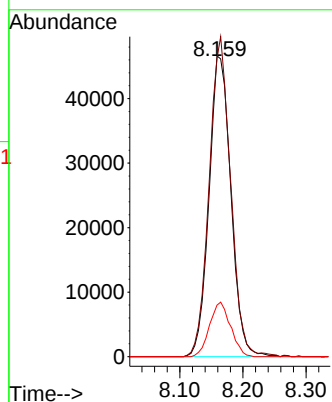
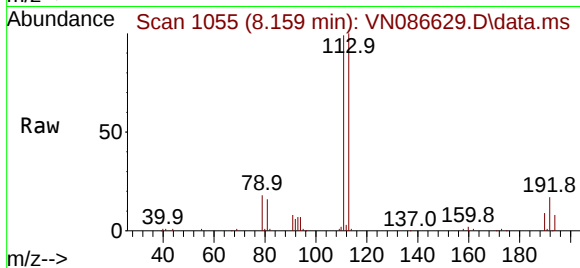
Tgt Ion:113 Resp: 112153

Ion Ratio Lower Upper

113 100

111 104.4 83.4 125.0

192 17.4 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.536 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086629.D

Acq: 14 May 2025 16:09

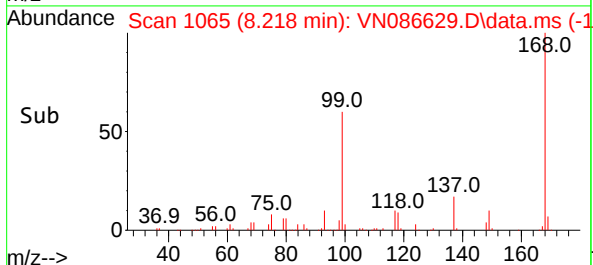
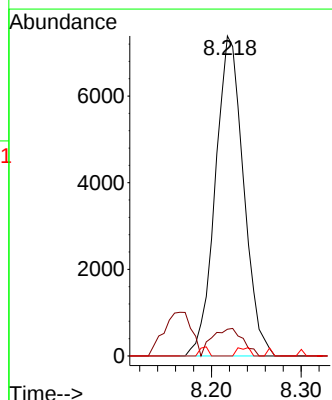
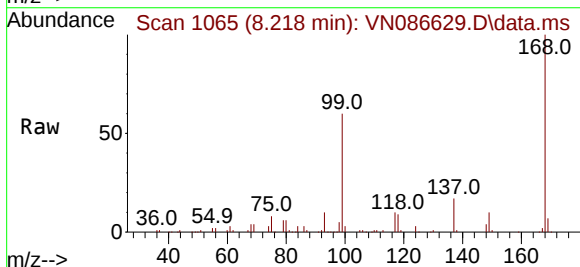
Tgt Ion: 75 Resp: 16117

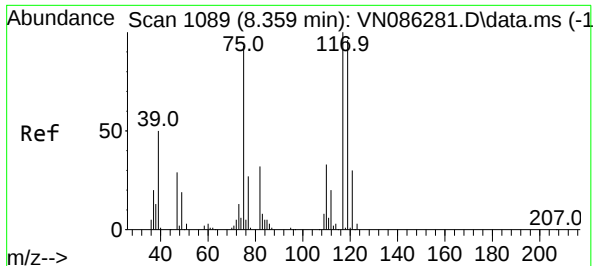
Ion Ratio Lower Upper

75 100

110 9.4 16.8 50.4#

77 0.0 24.9 37.3#

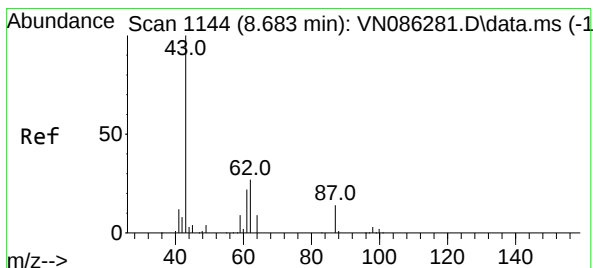
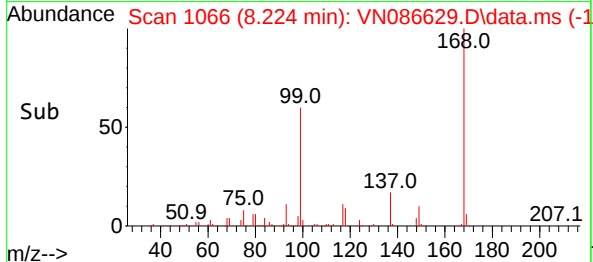
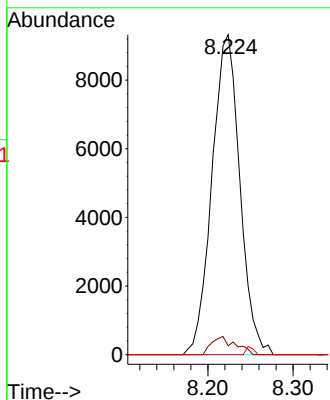
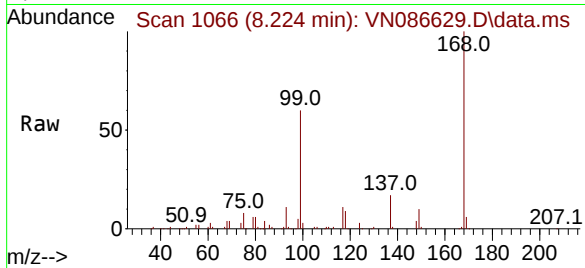




#38
Carbon Tetrachloride
Concen: 6.263 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

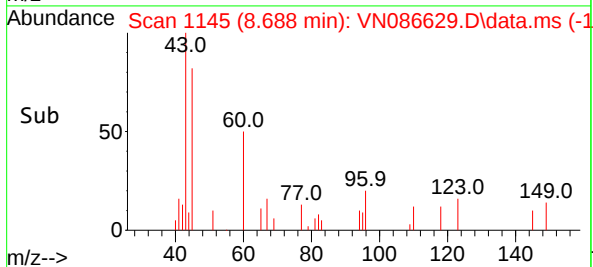
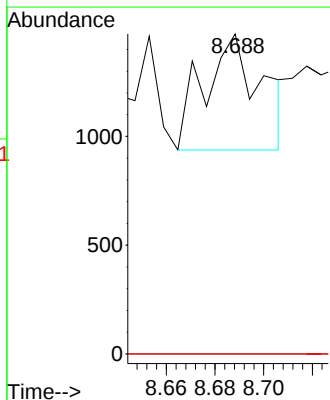
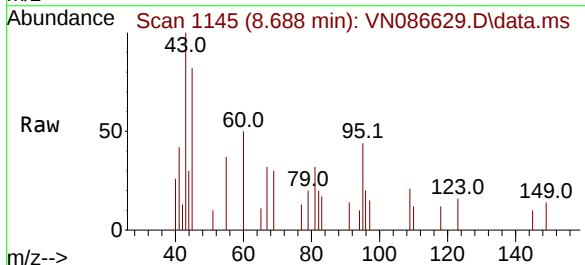
Instrument :
MSVOA_N
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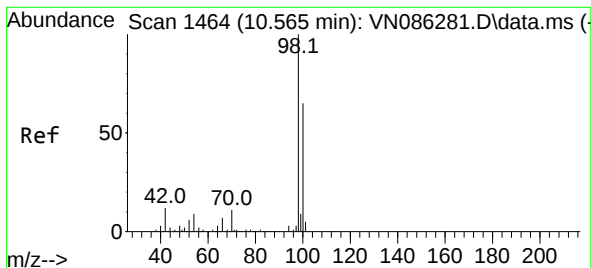
Tgt Ion:117 Resp: 21191
Ion Ratio Lower Upper
117 100
119 2.8 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

Tgt Ion: 43 Resp: 869
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

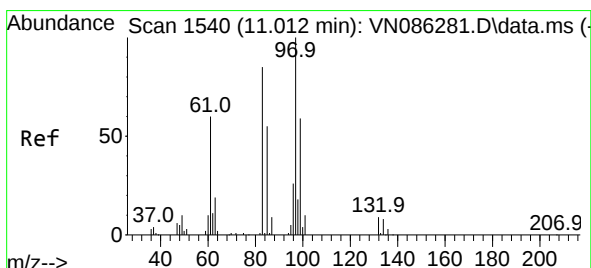
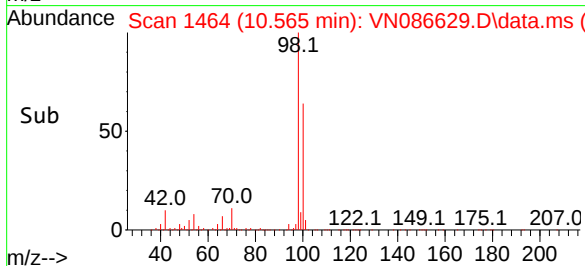
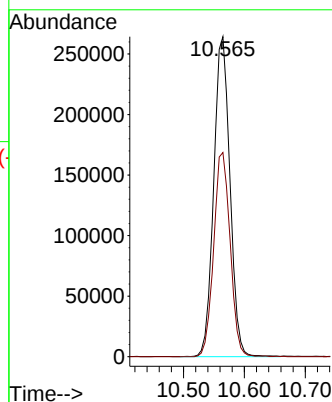
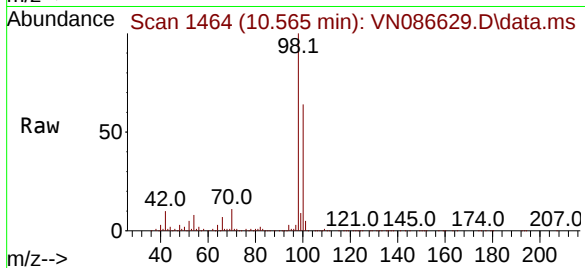




#50
Toluene-d8
Concen: 51.378 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

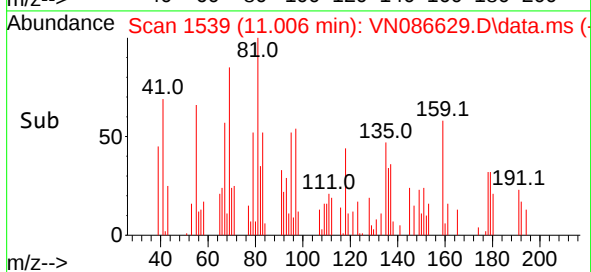
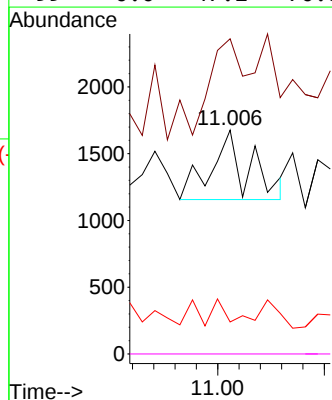
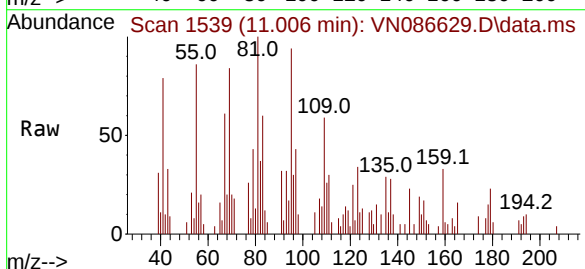
Instrument :
MSVOA_N
ClientSampleId :
IBLK

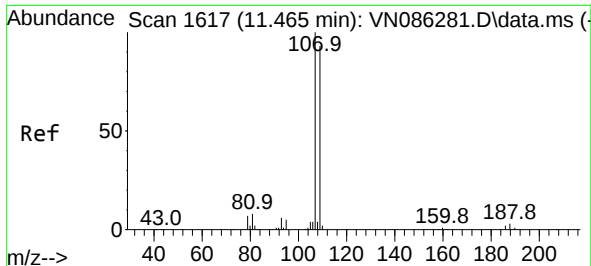
Tgt Ion: 98 Resp: 488472
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#55
1,1,2-Trichloroethane
Concen: 0.249 ug/l
RT: 11.006 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

Tgt Ion: 97 Resp: 636
Ion Ratio Lower Upper
97 100
83 88.3 68.4 102.6
85 4.2 43.9 65.9#
99 0.0 47.2 70.8#

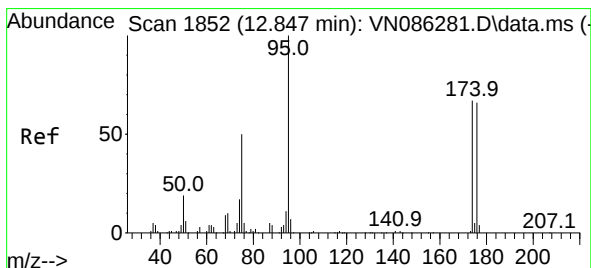
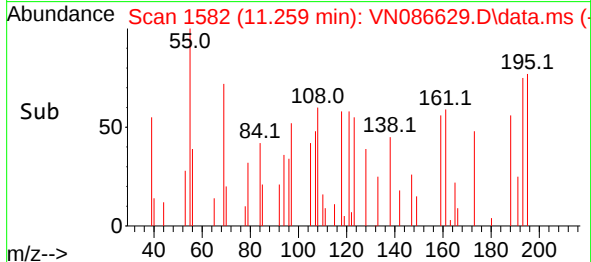
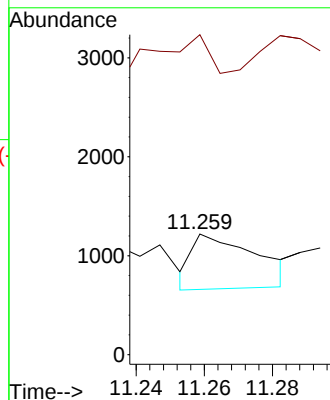
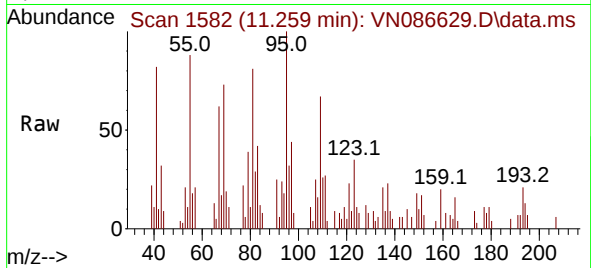




#61
1,2-Dibromoethane
Concen: 0.281 ug/l
RT: 11.259 min Scan# 11
Delta R.T. -0.206 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

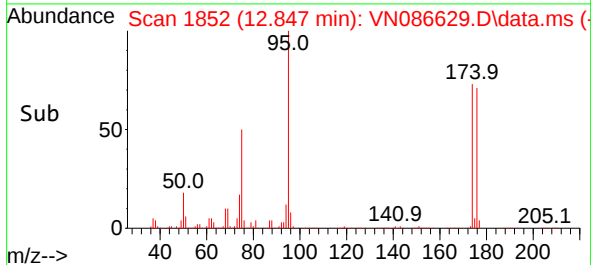
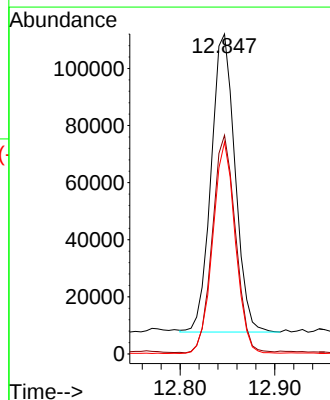
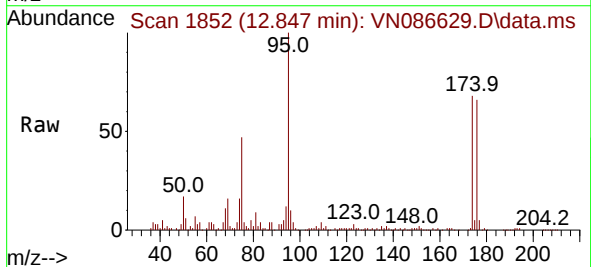
Instrument :
MSVOA_N
ClientSampleId :
IBLK

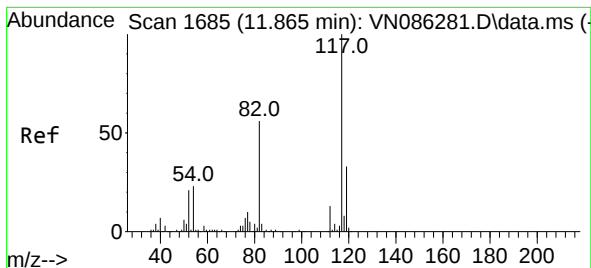
Tgt Ion:107 Resp: 725
Ion Ratio Lower Upper
107 100
109 94.1 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 52.717 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

Tgt Ion: 95 Resp: 182811
Ion Ratio Lower Upper
95 100
174 70.8 0.0 133.4
176 67.0 0.0 129.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086629.D

Acq: 14 May 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

IBLK

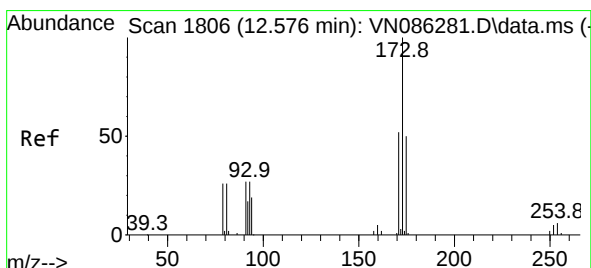
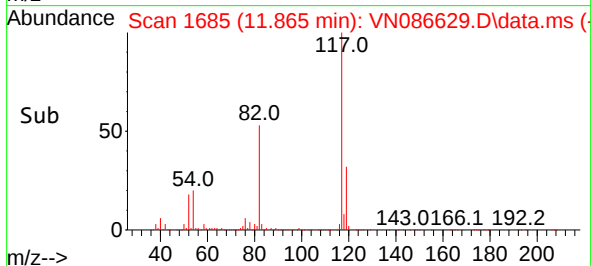
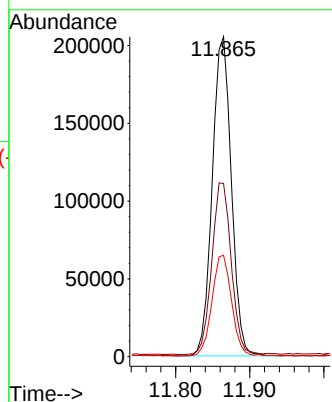
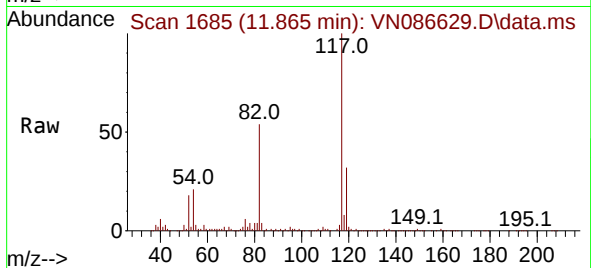
Tgt Ion:117 Resp: 366514

Ion Ratio Lower Upper

117 100

82 53.6 44.7 67.1

119 31.5 26.4 39.6



#71

Bromoform

Concen: 0.745 ug/l

RT: 12.565 min Scan# 1804

Delta R.T. -0.012 min

Lab File: VN086629.D

Acq: 14 May 2025 16:09

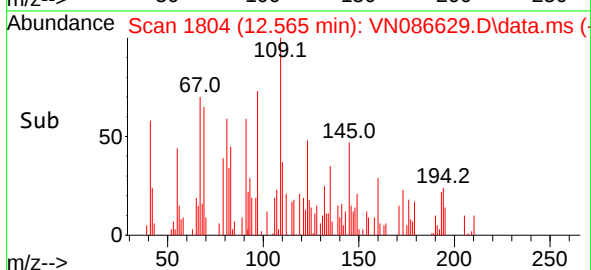
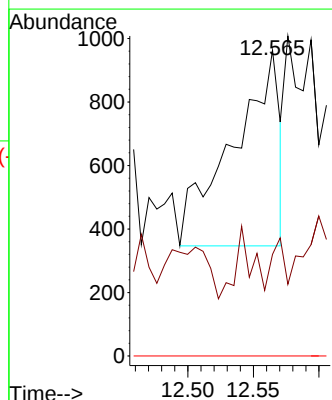
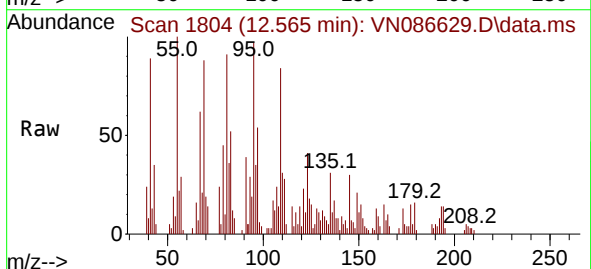
Tgt Ion:173 Resp: 1513

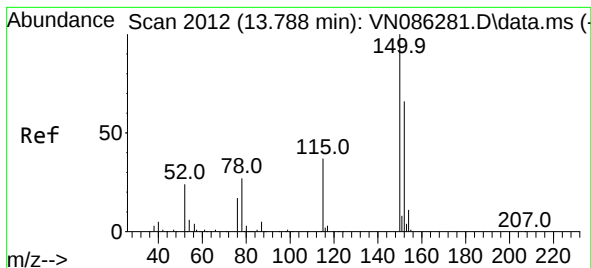
Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.6#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN086629.D

Acq: 14 May 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

IBLK

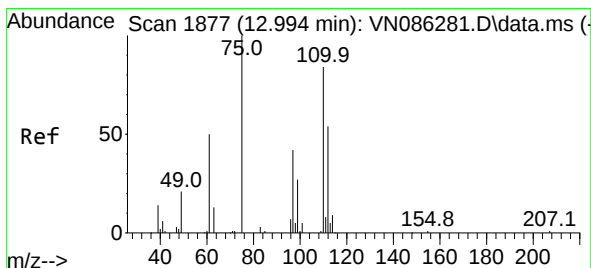
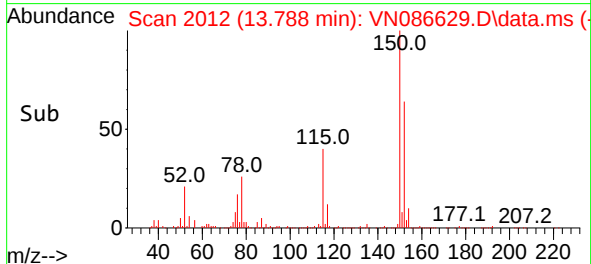
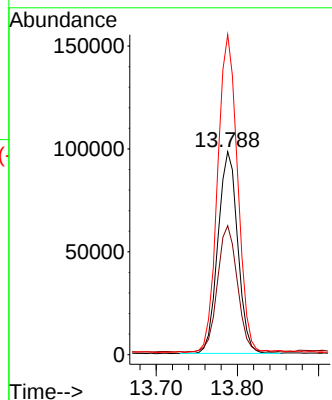
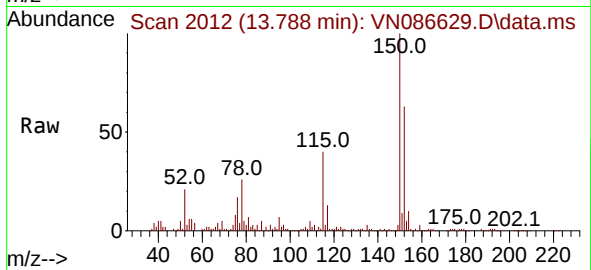
Tgt Ion:152 Resp: 165907

Ion Ratio Lower Upper

152 100

115 63.0 31.9 95.9

150 159.5 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 22.776 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086629.D

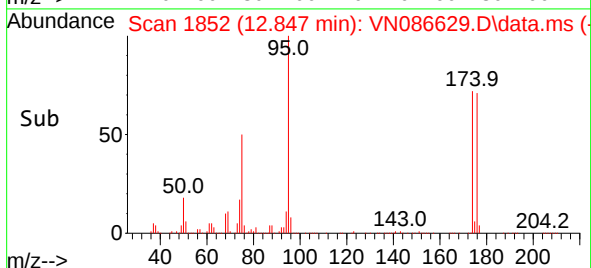
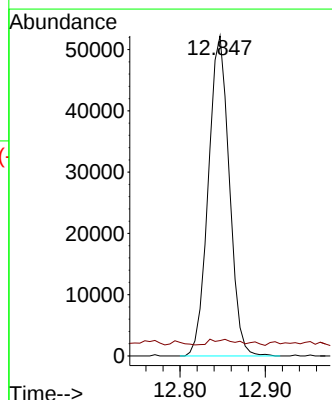
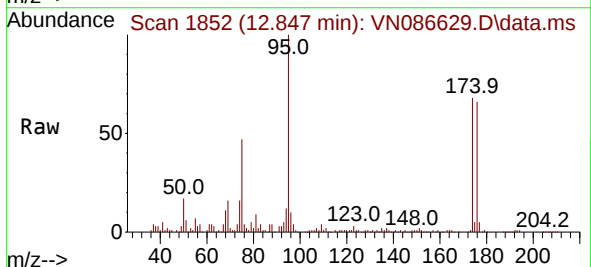
Acq: 14 May 2025 16:09

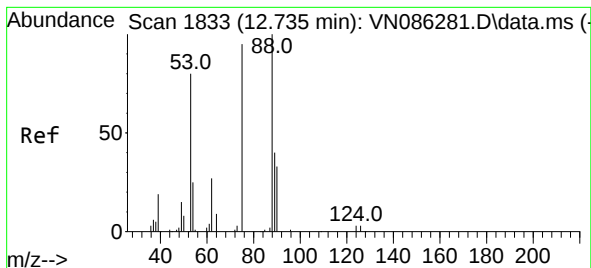
Tgt Ion: 75 Resp: 89170

Ion Ratio Lower Upper

75 100

77 2.0 98.8 296.4#

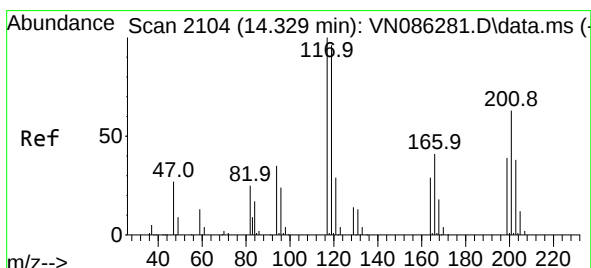
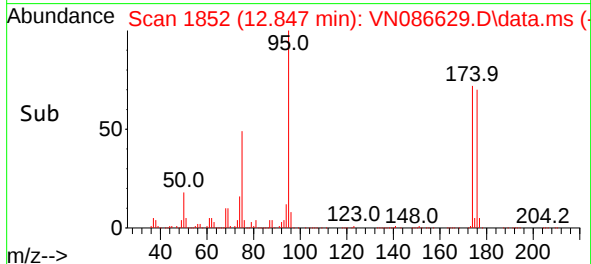
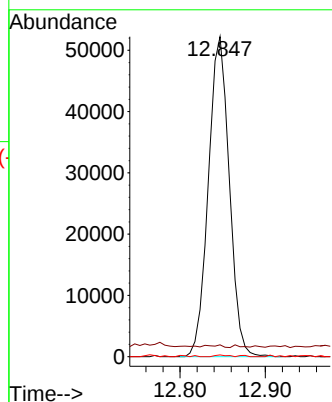
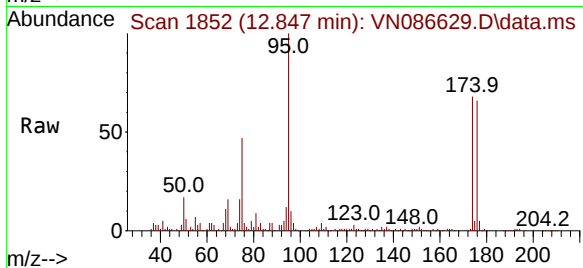




#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.698 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086629.D
 Acq: 14 May 2025 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 89170
 Ion Ratio Lower Upper
 75 100
 53 0.5 79.2 118.8#
 89 0.3 35.7 53.5#



#90
 Hexachloroethane
 Concen: 0.284 ug/l
 RT: 14.347 min Scan# 2107
 Delta R.T. 0.018 min
 Lab File: VN086629.D
 Acq: 14 May 2025 16:09

Tgt Ion: 117 Resp: 525
 Ion Ratio Lower Upper
 117 100
 201 55.6 31.4 94.2

